



Main

Range	Vigirex
Device short name	PA50
Product or component type	Earth leakage current sensor
Device application	Equipment monitoring and control
Current sensor type	A type closed toroid
[I _e] rated operational current	85 A

Complementary

Transformer ratio	1/1000
Network type	AC DC
Network frequency	45...440 Hz
[I _{cw}] rated short-time withstand current	100 kA for 0.5 s
Residual short-circuit withstand current	85 kA / 0.5 s conforming to IEC 60947-2
[U _i] rated insulation voltage	1000 V
Overvoltage category	IV
[U _{imp}] rated impulse withstand voltage	12 kV
Mounting mode	Fixed (plain backplate) Fixed (profiled sheet metal) Fixed (slotted backplate) Clip-on (DIN rail) Clip-on (Vigirex relay)
Calorific value	1.42 MJ
Connections - terminals	Screw connection 0.22 mm ²
Diameter	50 mm inner:
Cable outer diameter	25 mm: 50 mm ² (maximum)
Net weight	0.2 kg
Height	108 mm
Width	88 mm
Depth	29 mm

Environment

IP degree of protection	Connectors: IP20 IP30
Environmental characteristic	Exposure to damp heat not in service (25...55 °C, RH 95 %) : 28 cycles conforming to IEC 60068-2-30 Salt mist: Kb/2 conforming to IEC 60068-2-52 Exposure to damp heat in service: category C2: 48 hours conforming to IEC 60068-2-56
Pollution degree	Level 3 conforming to IEC 60664-1
Ambient air temperature for operation	-35...70 °C
Ambient air temperature for storage	-55...85 °C

Packing Units

Package 1 Weight	0.180 kg
Package 1 Height	4.000 cm
Package 1 width	12.800 cm
Package 1 Length	17.100 cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 REACH Declaration
EU RoHS Directive	Compliant  EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	 Yes
China RoHS Regulation	 China RoHS Declaration
Environmental Disclosure	 Product Environmental Profile
Circularity Profile	 End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Contractual warranty

Warranty	18 months
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